

What You Want to Know About Your Auto and How To Drive It and Keep It

Expert Advice How to Keep Automobiles Running Smoothly
and the Best Way to Remedy Machine Troubles—
Traffic Suggestions and Pleasure Routes
for Evening World Readers.

By GEORGE H. ROBERTSON.



GEORGE H. ROBERTSON.

WITH the approach of good weather, one is getting the spring auto fever, and every make and shape of car is being put in order for summer use. A few suggestions at this time how a motor should be overhauled would thus be helpful to many. Care should be taken when the car is brought out of storage that everything on it is gone over and put in proper shape before it is put into use. Tires should be taken off and rims scraped and painted, the inner tubes well rubbed in talcum and the casings gone over and cleaned both inside and out.

The motor should be examined thoroughly, carbon cleaned from the cylinders, valves ground, wiring looked over and the oil drained from the crank case and replenished with fresh oil. Grease cups should be well examined. The clutch, transmission and rear axle should be looked over and a proper amount of lubricant used in each. It is also well to see that the wheel bearings are in good shape and that the hub caps hold enough lubricant for this purpose.

The water system should be cleaned thoroughly and the piping examined. It might be advisable to clean out the strainers in the gasoline line and also flush out the gasoline tank. If these precautions are followed and the body is rubbed down with a good polish both inside and out, the car will be ready for a busy summer season.

ANSWERS TO LETTERS.

Automobile Editor:
I own a Buick Model S and recently had it overhauled. Lately I have had trouble to retune it and it would overheat, which I thought was caused by being late, so I have undertaken to retune it again. I have a Remy R. L. Magneto on it, and I have No. 1 piston on dead center on compression stroke and pressed the button on distributor which it dropped into the recess. I moved it up in this position and moved the contact arm all right until I advanced the spark and then stopped dead. I set it back a little and then it did not back fire and kick. This time I did not get a chance to advance the spark, it back fired on a retarded spark. The only other thing I did was to adjust the contact screw.

Automobile Editor:
Would advise you to go over the timing of the valves and of the ignition again. The timing of the ignition is undoubtedly off and you have probably set the breaker on the firing point of a cylinder other than that of No. 1.

Automobile Editor:
I have an E. M. F. While I am driving at a fair speed the car slows down of its own accord and most times I have to change my gears into second speed. Can you advise me as to the trouble?
H. T. MCINN.

Automobile Editor:
Would advise you to look over the brakes. They are undoubtedly dragging. If the car costs freely look over the ignition and also make sure that the carburetor is adjusted properly. I could give you more definite advice if you could describe your troubles in fuller detail.

Automobile Editor:
Does the amount of gasoline in the float chamber affect the mixture in any way?
WILLIAM H. DEACON.

Automobile Editor:
The float chamber is designed to maintain a certain level at the nozzle and if the level is right the amount of gasoline in the bowl should not interfere with a proper mixture.

Automobile Editor:
I have a Pelain (French) car converted into a taxi, which is running in perfect harmony. I have a Schibler carburetor, which I have had adjusted by the manufacturer, but which seems to be subject to an over consumption of gas. All I seem to get as a result is about four miles to the gallon.
T. MILLER.

Automobile Editor:
You will find that this car will be a heavy user of gasoline. The motor in the car is of design that it needs a Schibler carburetor with a minimum amount of gasoline. The mileage you are getting may be increased a mile or so per gallon, but I doubt it.

Automobile Editor:
Kindly let me know whether I can drive my father's car without a license. I am seventeen years of age.
JAMES GREENBERG.

Automobile Editor:
The law states that no one under eighteen years of age shall operate a motor car unless accompanied by the owner or a licensed operator.

Automobile Editor:
Will you kindly inform me where I

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The Black Box

THE GREAT MYSTERY STORY
PRODUCED BY
THE UNIVERSAL FILM
MANUFACTURING CO.

By E. PHILLIPS
OPPENHEIM

(Copyright, 1915, by Otto F. Wood.)
In her apartment at the Lenox, Miss Lenora, daughter of Lord Ashleigh, is murdered and the Ashleigh diamond necklace stolen. The New York police place the case in the hands of Sanford Quest, known as the "Master Criminal" and the use of electric-sensitized apparatus discovers her connection with the crime and forces her to restore the necklace. Through her he also establishes the identity of Lord Ashleigh, a family relation of the murdered Lenora. Arrested and sentenced to life imprisonment, Quest escapes on parole to the penitentiary. Quest, an active investigator and brother of Lord Ashleigh, has discovered the skeleton of an automobile which is stolen from the museum where it had been placed on a pedestal. Quest is compelled to retrieve it. Lord Ashleigh attends the birthday celebration of a friend at which a diamond necklace worn by the young man's mother, Mrs. Reinhold, is stolen by two "hands" which come out of the darkness attached to no visible arms or body. Lord Ashleigh summons Quest, who returns to Mrs. Reinhold's story.

CHAPTER VII.

QUEST listened to it without remark and finally made his way to the conservatory. He requested Mrs. Reinhold to walk with him through the door by which she had entered and stop at the precise spot where the assault had been made upon her. There were two or three plants knocked down from the tiers



"WHAT DO YOU WANT?" LENORA DEMANDED.

on the right hand side, and some disturbance in the mold where some large palms were growing. Quest and Lenora together made a close investigation of the spot. Afterward Quest walked several times to each of the doors leading into the garden. "There are four entrances altogether," he remarked, as he lit a cigar and glanced around the place. "Two lead into the garden—one is locked and the other isn't—one connects with the back of the house—the one through which you came, Mrs. Reinhold, and the other leads into your reception room, into which you passed after the assault. I shall now be glad if you will permit me to examine the gardens outside for a few minutes, alone with my assistant."

"For almost a quarter of an hour Quest and Lenora disappeared. They all looked eagerly at the criminologist on his return.

"It seems to me," he remarked, "that from the back part of the house the quickest way to reach Mayton Avenue would be through this conservatory and out of that door. This is a path leading from just outside straight to a gate in the wall. Does any one that you know of use this means of exit?"

Mrs. Reinhold shook her head. "The servants might occasionally," she remarked doubtfully, "but not on nights when I am receiving."

The butler stepped forward. He was looking a little grave. "I have been looking for you, madam, and Mr. Quest," he said, "that I did, only a short time ago, suggest to the professor's servant—the man who brought your mackintosh—that he should, turning to the professor, 'that he could, if he chose, make use of this means of leaving the house.'"

"Of that I am not aware, sir," the butler replied. "I left Mr. Craig with some refreshment, expecting that he would remain until my return, but a few minutes later I discovered that he had left. I will inquire in the kitchen if anything is known as to his movements."

He hurried off. Quest turned to the professor. "Has he been with you long, this man Craig, professor?" he asked. "The servant's smile was illuminating, his manner simple but convincing. 'Craig,' he asserted, 'is the best servant, the most honest mortal of whom I have ever heard.'"

"Step inside, brother," he invited earnestly, almost eagerly, notwithstanding his monotonous nasal twang. "Step inside and find peace. Step inside and the Lord will help you. Throw your burden away on the threshold."

The man's first impulse at being addressed had seemed to be one of terror. Then he recognized the uniform and hesitated. The man took him by the arm and led him in. There were the best part of a hundred people taking their places after the singing of the hymn. A girl was standing up before them on a platform. She was commencing to speak, but suddenly broke off. She held out her arms toward where the professor's confidential servant stood hesitating. "Come and tell us your sins," she called out. "Come and have them forgiven. Come and start a new life in a new world. There is no one here who thinks of the past. Come and seek forgiveness."

For a moment this wait from the rain-swamped world heeded. The light of an infinite desire flashed in his eyes. Then he dropped his head. These things might be for others. For him there was no hope. He shook his head to the girl, but sank into the nearest seat and on to his knees. "She repents!" the girl called out. "Some day she will come! Brothers and sisters, we will pray for him."

The rain dashed against the windows. The only other sound from outside was the clanging of the street cars. The girl's voice, frenzied, exhorting, almost hysterical, pealed out to the roof. At every pause the little gathering of men and women groaned in sympathy. The man's frame was shaken with sobs.

CHAPTER VIII.

R. SANFORD QUEST sat in his favorite easy chair, his cigar inclined toward the left-hand corner of his mouth, his attention riveted upon a small instrument which he was supporting upon his knee. He glanced across the room where Lenora was bending over her desk.

"We've done it this time, young woman," he declared triumphantly. "It's all O. K., working like a little peach."

Lenora rose and came toward him. "Is that the pocket wireless?" he nodded.

"I've had Morrison out at Harlem all the morning to test it," he told her. "I've sent him at least half a dozen messages from this easy chair and got the replies. How are you getting on with the new machine?"

"Not so badly for a stupid person," Lenora replied. (To be Continued.)

MOTORISTS' PROBLEMS SOLVED

George H. Robertson, America's foremost racing expert, car mechanic, and motorist, has written a book, "The Motorist's Problems Solved," which contains the answers to all the questions that motorists ask. It is a book that every motorist should have. It is a book that every motorist should read. It is a book that every motorist should keep. It is a book that every motorist should give to his friends. It is a book that every motorist should recommend. It is a book that every motorist should own. It is a book that every motorist should have. It is a book that every motorist should read. It is a book that every motorist should keep. It is a book that every motorist should give to his friends. It is a book that every motorist should recommend. It is a book that every motorist should own.

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TOM HILL.

A parade that is to start on time and contain features that have never been seen in New York before is the promise given by the Committee of Arrangements for the annual St. Patrick's Day parade Wednesday next. More than 25,000 men will march past the reviewing stand in front of St. Patrick's Cathedral, where His Eminence, Cardinal Farley, Mgr. Lavelle and other leading clergymen and public officials will enjoy the spectacle in honor of Erin's patron saint. Gov. Whitman yesterday accepted the invitation to be present in the stand with Mayor Mitchell. Two new features were added yesterday. An old-time Irish jaunting car—a real one—brought to this country by a wealthy Philadelphian who, at his own expense, has sent the parade carrying banners with this legend, "Young America Bids Ireland the Top of the Morning." Among the features arranged for the entertainment in the evening at Sulzer's Harlem Casino is a champion dancing contest in which the leading Irish dancers will participate. Tom Hill, the champion Irish step dancer, will try for additional honors.

Baby in Breakaw Home.
Congratulations are being extended to Mr. and Mrs. Irving Breakaw upon the birth of a daughter yesterday in their home, No. 955 Fifth Avenue. The baby, a granddaughter of Mrs. Isaac V. Breakaw, is the third daughter of her family.

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